

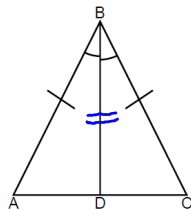
April 27, 2010 Agenda

- 1) present posters
- 2) review homework
- 3) additional individual practice with congruent triangles (new assignment)

Worksheet 5.2: Congruent Triangles I

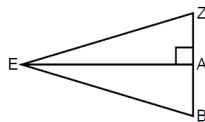
Decide whether you can use the SSS, SAS, ASA Postulate or the AAS Theorem to prove the triangles congruent. If so, write the congruence and identify the postulate or theorem. If not, write *not possible*.

1.



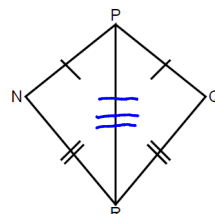
SAS

2.



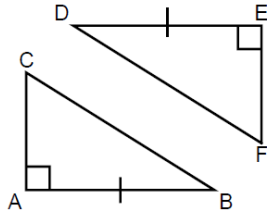
not possible

3.



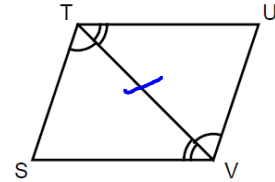
SSS

4.



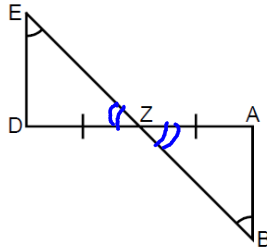
not possible

5.



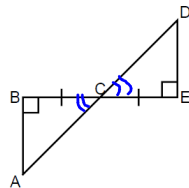
ASA

6.



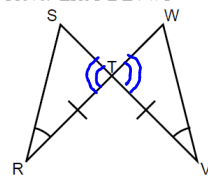
AAS

Prove: $\triangle ABC \cong \triangle DEC$



ASA

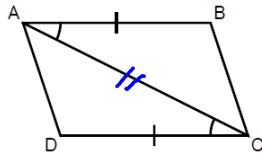
8. Given: $\angle R \cong \angle V$, $RT \cong TV$
Prove: $\triangle RST \cong \triangle VWT$



ASA

9. Given: $\overline{AB} \cong \overline{DC}$, $\angle BAC \cong \angle DCA$

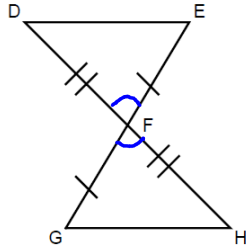
Prove: $\triangle ABC \cong \triangle CDA$



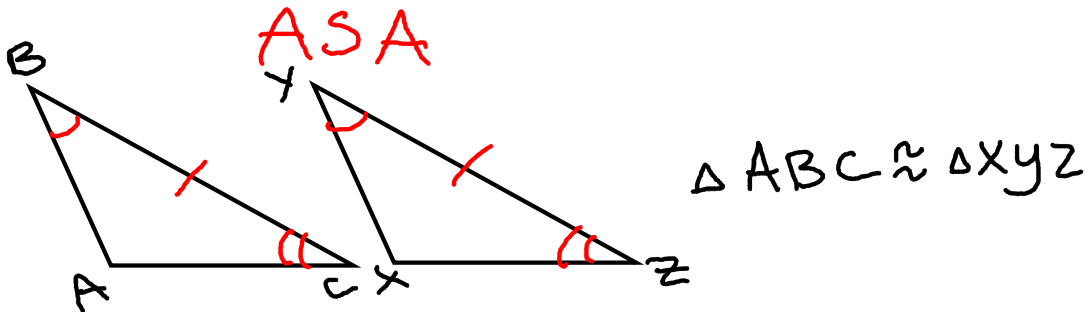
SAS

10. Given: $\overline{EF} \cong \overline{FG}$, $\overline{DF} \cong \overline{FH}$

Prove: $\triangle DFE \cong \triangle HFG$



SAS



ASA

$\triangle ABC \cong \triangle XYZ$

AAS

